

<b>Interview Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/697,262	DAECKE ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	AHMED ELALLAM	2616	

All participants (applicant, applicant's representative, PTO personnel):

(1) AHMED ELALLAM. (3)\_\_\_\_\_.

(2) Mark Bergner. (4)\_\_\_\_\_.

Date of Interview: 06 July 2007.

Type: a)☒ Telephonic b)☐ Video Conference  
c)☐ Personal [copy given to: 1)☐ applicant 2)☐ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes e)☒ No.  
If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: 2, 4 and 16.

Identification of prior art discussed: None.

Agreement with respect to the claims f)☒ was reached. g)☐ was not reached. h)☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Attorney of records agreed to amend claims 2, 4 and 16 as indicated in the attached paper.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

\_\_\_\_\_  
Examiner's signature, if required

1. (previously presented) A circuit arrangement, comprising:

a transmission unit for inserting data belonging to at least two terminal equipment types or services that are capable of including both voice and data in a common frame having a frame length, said transmission unit comprising an insertion mechanism for inserting said data of the at least two terminal equipment types, said data of all terminal equipment types being synchronously inserted into said common frame with a common channel for operational control and transmitted with a digital time-division multiplex technique.

2. (currently amended) A circuit arrangement comprising:

a reception unit for dividing a datastream synchronously transmitted in a common frame with a common frame for operational control, said common frame comprising data belonging to at least two terminal equipment types or services that are capable of including both voice and data, said data of all terminal equipment types being data synchronously inserted into said common frame with a common channel for operational control, by a transmitter to at least one terminal equipment type of said at least two terminal equipment types; and

a switch module for a purpose-conforming division of said data stream synchronously transmitted in said common frame, in which a further division onto further terminal equipment of said at least two terminal equipment types or services is undertaken based on control data.

3. (original) A circuit arrangement, comprising a transmission-reception unit which comprises said transmission unit of claim 1, and said reception unit of claim 2.

4. (currently amended) A method for transmitting a data stream in a common frame with a common channel for operational control belonging to at least two terminal equipment types or services that are capable of including both voice and data, comprising the steps of:

synchronously inserting data of said at least two terminal equipment types or services into said common frame in a first unit;

transmitting said data in said common frame to a second unit with a time-division multiplex method; and

dividing said data stream in said common frame to terminal devices of at least two terminal equipment types or services in said second unit.

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5. (previously presented) A method according to claim 4, further comprising the step of depositing data for operational control of connections to which at least two terminal equipment types or services that is capable of including both voice and data are connected in a single operating eoc channel of said frame.

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6. (original) A method according to claim 5, wherein said connections are telephony connections, ISDN connections or broadband connections.

7. (original) A method according to claim 4, further comprising the step of filling a payload data region available in a frame in a terminal equipment-specific manner depending on a transmission rate of a transmission link.

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8. (original) A method according to claim 4, further comprising the step of connecting a plurality of terminal equipment of at least one terminal equipment type to a transmission-reception unit.

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9. (previously presented) A method according to claim 4, further comprising the steps of: providing bits for operational control in said data belonging to said terminal equipment types or services; and arranging said bits outside of a payload data region provided for said terminal types or services.

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10. (original) A method according to claim 9, wherein said bits for operational control are arranged in an overhead of said frame.

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11. (original) A method according to claim 10, further comprising the steps of:  
allocating said bits for operational control to an operating eoc channel; and  
addressing said bits for operational control via a sub-address in a message format of said  
operating channel.

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12. (original) A method according to claim 4, further comprising the step of accepting data of  
a plurality of ISDN connections in said frame, said frame being a symmetric digital subscriber line  
frame.

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13. (original) A method according to claim 4, further comprising the step of accepting data of  
a plurality of traditional telephony connections in said frame, said frame being a symmetric digital  
subscriber line frame.

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14. (previously presented) A method according to claim 4, wherein said step of transmitting  
said data comprises transmitting said data of a symmetric digital subscriber line frame synchronously  
on a transmission link between said first unit, which is a network node, and said second unit, which is  
a network termination unit with a time-division multiplex method.

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15. (canceled).

16. (currently amended) A method for transmitting a data stream in a common frame with a  
common channel for operational control belonging to at least two terminal equipment types or  
services that are capable of including both voice and data, comprising the steps of:

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synchronously inserting data of said at least two terminal equipment types or services into  
said common frame in a first unit;

synchronously transmitting said data in said common frame to a second unit with a time-  
division multiplex method; and

dividing said data stream of said common frame to terminal devices of at least two terminal  
equipment types or services in said second unit.

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17-21. (canceled).

22. (previously presented) The circuit arrangement according to claim 1, wherein the common frame is an SDSL frame.

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23. (previously presented) The circuit arrangement according to claim 22, wherein the data belonging to at least two terminal equipment types or services are provided within an ISDN service that are transmitted inside of the SDSL frame.